PS-7870TWE-FM

User Guide

WARNING!

It is the responsibility of the vehicle operators to ensure their vehicle is parked in a safe and responsible manner.

1. a) Manual transmission: When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in the NEUTRAL position and the parking brake is engaged in order to avoid accidents upon remote starting.
   b) Automatic transmission: When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in "Park" in order to avoid accidents upon remote starting.
   (Note: Make sure that the automatic vehicle cannot start in "Drive".)
2. It is the user's responsibility to ensure that the remote starter is disabled or put into valet mode before servicing.

Battery Low Voltage Warning

Once the battery is weak, the LCD remote will display a battery low voltage icon and an "L-BAT" indication with 2 beeps to warn the user to charge it.

Designed & engineered in Canada

Directed®
ELECTRONICS CANADA, INC.

INDUSTRY CANADA USER NOTICE:
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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What is EncryptR™ Technology?

EncryptR™ employs proprietary encryption software that sends unique codes from the remote starter to the ADS-TB or ADS-AL-CA bypass module that cannot be replicated or reversed with hi-tech equipment.

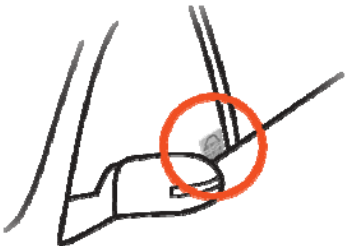
The EncryptR™ communication exchanged between the remote starter and the ADS bypass module is best described as a “secret handshake” that is never the same and changes every time it is used.

Since the command / communication is never exchanged in the same way twice, it is impossible even for expert thieves to duplicate and it ensures the best security possible for the remote starter system.

Added Security

Every installation of a Polarstart remote starter used in conjunction with an ADS-TB or an ADS-AL-CA with the EncryptR™ Technology comes with a Limited Anti-Theft Warranty covering up to 2000$ in the event of theft. In order to qualify, upon completion of the installation, your installer should go on-line to www.encryptr.com and fill out the Limited anti-theft warranty form. A copy should be printed and given to you for your records. Within ten (10) working days a pair of holographic stickers will be mailed to you. Upon receiving them, you must ensure to affix them on both front side windows of your vehicle.

Holographic stickers to be affixed on both side windows.



Government regulations

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with the Industry Canada Radio Standards Specification RSS 210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interferences to services authorized by IC. In addition, the user of this device must accept any radio interface that may be received, even if this interference could affect the operation of the device.

Warning! Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

Introduction

This is a state-of-the-art remote car starter system. The system is packed with advanced features such as priority access to the driver's door (commodity features), the Safe Start children safety feature and SmartStart™.

SmartStart™ is a groundbreaking technology that enables your remote starter features to be accessed by your smartphone. Features include keyless entry, trunk release, panic, remote start/stop toggle and alarm notifications[1]. Note: SmartStart™ must be professionally installed. For more information, see your nearest authorised Directed Canada dealer.

With many advanced functions, this product will satisfy any one of your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

[1] Certain conditions apply. See your authorised Directed Canada dealer.

Vehicle Presets

Heater

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan) should not be left on HIGH. It is recommended to leave the settings on LOW or MEDIUM instead.

Windshield Wipers, Radio & Headlights

Certain vehicles energize the radio and / or windshield wipers and / or headlight circuits while running under remote start. When leaving the vehicle you must ensure that the windshield wiper and headlight switches are OFF. Leaving the headlight switch ON on certain types of vehicles could cause them to remain ON even after remote starter shut down, resulting in a dead battery.

Using the Transmitter

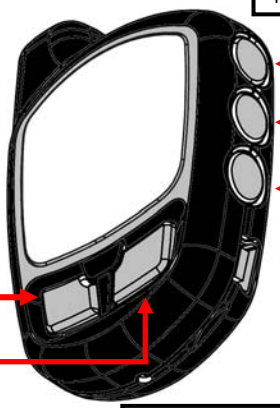
Your remote starter is equipped with a 6-button, multi-channel, 2-way remote control. It can operate two independent vehicles equipped with identical remote starters (see Multi-car operation section on page 20).

LCD Remote Functions

The transmitter offers several command-confirmation and timer features. This section explains some of the key functions available. The next section gives a summary of the button combinations used to access the functions.

The functions of the transmitter are as follows:

Front view:



Auxiliary Button:
Activates AUX 2, stops the Engine, sets the Temperature, activates Panic Mode, activates CWM (if programmed).

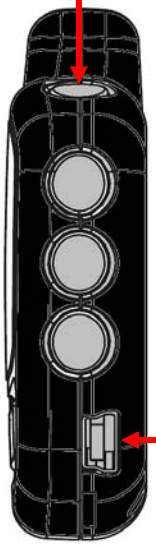
TRUNK Button:
Activates the Trunk

LOCK Button:
Locks all Doors and arms the Starter Kill (if installed)

UNLOCK Button:
Unlocks all Doors and disarms the Starter Kill (if installed)

START/STOP Button:
-Starts or Stops the engine (Normal functions).
-Starts the engine ONLY (if the Auxiliary Button is programmed as STOP Button).

Side view:



Function Button:
-Turns ON the backlight
-Allows access to Multi-level functions
-Enters Programming mode

Charger port: the battery charger plugs into this port.

CAUTION!! DO NOT USE A CHARGER OTHER THAN THE ONE SUPPLIED.

LCD Transmitter basic confirmations

Function	Button pressed	Icon / text	Sound	Instructions / description
Lock		/ LOCK	1 beep	Lock and arm the system
Unlock		/ UNLOCK	2 beeps	Unlock and disarm the system
Trunk or aux 3		TRUNK	1 beep	Trunk output
Start		0:15 +	3-beeps	Start the engine
Stop		None	2-beeps	Stop the engine
Back light	F	On for 2 seconds		Press and release the F quickly
Cold weather	F, then		1 beep	See Cold Weather Mode section (page-15)
Combo Valet	+	AVS	1 beep	See Valet mode section (page-13)
Panic	or	None	1 beep	See Panic Mode section (page-15)

Backlight

Three different ways to use the backlight:

- Turning the backlight on for 3 seconds, press the F for less than 1 second and release.
- If the F button is pressed and held for more than 5 seconds the backlight will stay ON as long as the button is held.
- To browse the MENU while the backlight is ON:

a) Press the F for at least 1 second and release. The backlight should turn ON.

b) Within 3seconds, press the F button for 2 seconds to access the various functions.

Charging the Battery

- Plug in the USB charger.

CAUTION!! DO NOT USE A CHARGER OTHER THAN THE ONE SUPPLIED.

- The LCD displays "CHARGE" while the battery level bars within the battery icon flash.
- When charging is complete the LCD then displays "FULL".

Remote's advanced functions and MENU

How to access advanced remote functions and MENU

User		Transmitter
1. Press F for 1 second and release	➔	Remote beeps once and MENU appears on screen.
Note: At that point if you press ↵ you can enter the remote's MENU.	➔	Follow the steps listed below in "Selecting and adjusting advance MENU options".
2. Press F a 2nd time for 1 second and release	➔	Remote beeps once and L-01 appears on screen.
3. Press F a 3rd time for 1 second and release	➔	Remote beeps once and L-02 appears on screen.
4. Press F a 4th time for 1 second and release	➔	Remote beeps once and L-03 appears on screen.

Note: The order of LEVELS and MENU can be re-arranged in the menu option FBPRO.

Selecting and adjusting advanced menu options:

1. When in MENU, press ↵ button to enter the menu.
2. Press ▲ button to move up in the menu or ▼ button to move down in the menu.
3. Press ↵ button to select the option you would like to adjust.
4. Press ▲ button to increase the value or to activate or deactivate a function or toggle through the selection.
5. Press ▼ button to decrease the value or to activate or deactivate a function or toggle through the selection.
6. Press ↵ button to move to the next sub-option or go back to the main menu.
7. To SAVE modifications and EXIT remote's MENU, do not touch any button for approximately 5 to 10 seconds or press F to immediately exit the MENU.

Remote's advanced functions and MENU table:

Display	Description
PARK (1)	Parking meter countdown This version of the countdown feature is particularly useful for keeping track of parking meter time: the user may quickly set up the countdown using the Parking Menu. The transmitter will beep 6 times, 5min before the Parking countdown reaches 0 and beeps 6 times once the countdown expires. Through Advanced Options, first press F to select MENU, then: a. Choose PARK and press . b. Set the time at which you want set the alarm. First set the hour, and press . Then set the minutes and press . c. Choose ON and wait. A flashing "P" and will appear on the screen to confirm activation.
ALARM (2)	Alarm Clock The LCD remote control has a built-in alarm clock, which can be set up using the Alarm Clock Menu. Once the programmed time is reached, the remote will beep 6 times every minute until a button is pressed. Through Advanced Options, first press F to select MENU, then: a. Choose ALARM and press . b. Set the time at which you want to set the alarm. First set the hour, and press . Then set the minutes and press . c. Choose ON and wait. A flashing "A" and will appear on screen to confirm activation.
CWM (3)	Cold weather mode function: Through Advanced Options, first press F to select MENU, then: a. Choose CWM and press . b. Choose ON/OFF, then press and hold until icon appears/disappears.
VALET (4)	Valet functions: (see page-13 for details) 1) Through Advanced Options, first press F to select MENU, then: a. Choose VALET and press . b. Press or to select three kinds of Valet Modes: i. CMVLT = Combo Valet *(Starter and alarm are disabled)* ii. VLTST = Valet Start *(Only the starter is disabled)* iii. VLTAM = Valet *(Only the alarm is disabled)* c. Once the selection is done, press . d. Choose ON/OFF, then press and hold until; i. The AVS icon appears/disappears to confirm Combo Valet activation/deactivation. ii. The VS icon appears/disappears to confirm Valet start activation/deactivation. iii. The AV icon appears/disappears to confirm Valet Alarm activation/deactivation.
TSTAR (5)	Time start function: This feature is used to remote start the car at a pre-programmed time. Once the pre-programmed time is reached, the remote will send a start command to the car module.

	Through Advanced Options, first press F to select MENU, then: a. Choose TSTART and press . b. Set the time at which you want to remote start the vehicle. First set the hour, and press . Then set the minutes and press . c. Choose ON and wait. A flashing "T" and will appear on the screen to confirm activation. Note: The TSTART function can only be carried out once per remote start.
SECUR (6)	Secure function: This feature is used to lock the keypad of the transmitter to avoid accidental button press. When the keypad is locked and a button is pressed, the LCD will display "PRESF" for 1 second and goes back to the clock. The transmitter keypad can also be locked as follows: a. Press F to select MENU. b. Within 3 seconds, press . c. The LCD will display "SECUR" to confirm locking of the keypad. • Press F for about 1sec, to unlock the transmitter's keypad.
COLOR (7)	Backlight color The backlight can be set to 8 different colors. Through Advanced Options, first press F to select MENU, then: a. Choose COLOR and press . b. Choose the desired color by pressing or
CONFM (8)	Confirmation Mode Menu: • BZVIB ➔ BUZ: The remote will beep to confirm various commands. VIB: The remote will vibrate to confirm various commands. Note: The icon will appear on the screen to confirm remote is set to vibration mode. • BLITE ➔ ON: The LCD screen will flash when the alarm is triggered. OFF: The LCD won't flash if the alarm is triggered.
CLOCK (9)	Clock: The Clock menu is used to set the current time on your remote control. Through Advanced Options, first press F to select MENU, then: a. Choose CLOCK and press . b. Set the time at which you want to set the clock. First set the hour, and press , then set the minutes and press .
TEMP (10)	Temperature display Can be set to read the temperature in Celsius (CTEMP) or Fahrenheit (FTEMP)
LANGU (11)	Language display Can be set to either English or French
SBPRO (12)	Side button function: The side button can be programmed as: • Panic button; • Stop button; • Temperature request button; • Aux 2 output button; • or CWM.
KEYLOC	Keypad lock Note: In order for this feature to work, "Secure function" must be set to ON.

(13)	If there is no activity within the programmed time, the keypad will automatically lock after 5 seconds, 10 seconds or 20 seconds. • Press **F** for about 1sec. to unlock the transmitter's keypad.
ILLUM (14)	LCD illumination: When this function is enabled, the LCD will illuminate each time Lock, Unlock or START is activated.
FBPRO (15)	**F** Button Function: The order of LEVELS and MENU can be re-arranged using the **F** Button Function Menu.

F Button Function Menu	FBPRO	Function Button Programming
Function Button programming	M 1 2 3	MENU, level 1, level 2, level 3
	1 2 3 M	Level 1, level 2, level 3, MENU
	2 3 1 M	Level 2, level 3, level 1, MENU
	2 1 3 M	Level 2, level 1, level 3, MENU
	3 1 2 M	Level 3, level 1, level 2, MENU

Remote Starting Your Vehicle

Setting Your Vehicle Into Ready Mode

If your vehicle has a manual transmission you must read the following indications. The unit must first be set to Ready Mode in order to start the vehicle by remote. If the unit is not set to Ready Mode, it cannot remote start the vehicle.

Please note that Ready Mode can be enabled by the remote or the handbrake, depending on the option that was selected by your installer. Therefore, you must follow the appropriate procedure between the two described below in order to set your vehicle into Ready Mode.

Once the system is set to Ready Mode, the vehicle can be remote started and stopped at any time. The system will exit Ready Mode if a door, the hood or the trunk is opened, if the brake pedal is pressed, if the parking brake is disengaged or if the ignition key is turned to the IGNITION ON (RUN) position.

To set the system to Ready Mode:

If Ready Mode is enabled by remote	If Ready Mode is enabled by handbrake
1. Ensure that all the doors, hood and trunk are closed. Make sure that the gear selector is in the neutral position.	
2. With the engine already running, apply the parking brake once and release the brake pedal.	2. With the engine already running, apply the parking brake twice within 10sec. Make sure to release the brake pedal. The parking lights will flash 3 times quickly and remain lit. Skip to step 4.
3. Within 20 sec. of engaging the parking brake, press and hold , or on the transmitter. 4. The parking lights will flash 3 times quickly and remain lit.	-
5. Remove the key: the engine will continue running.	
6. Exit the vehicle and close all doors, hood and trunk.	
7. Press for approx. 1 second either:	

• to lock the doors and shut down the engine; • to unlock the doors and shut down the engine; • to shut down the engine without affecting the doors.
8. The Ⓡ icon will appear on your screen.

Remote Starting

1. Press the button for approximately 1 second and release.
2. The remote will beep once and the LCD will display "START".
3. The remote will confirm the remote starter's activation by beeping 3 times.

If your vehicle has an automatic transmission and it does not start at the first attempt, the system will shut down, wait a few seconds and try to start the engine again. There will be 3 start attempts before the system gives up.

Driving Off

With the vehicle running under remote start, press the button to disarm the security system (this will also unlock the doors). Enter the vehicle and do the following:

1. Turn the ignition key to the IGNITION ON (RUN) position. (Do not turn the key to the CRANK position while the engine is running. This would cause the starter motor to re-engage.)
2. Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

Arming and disarming of the System

The Alarm can be configured by the installer either to Passive Mode (so as to arm automatically) or Active Mode (so as to require the user's intervention for arming). By default, the Remote Car Starter is configured to Passive Mode.

Passive mode:

To arm the alarm, press the button on the transmitter, OR

1. In Passive Mode, the alarm will automatically arm 30sec once the last door is closed.
2. The LED on the antenna will flash quickly during the countdown preceding the activation of the system.
3. Once the activation countdown expires, the siren will chirp once and the LED will flash slowly to indicate that the alarm is now armed.

To disarm the alarm, press the button on the transmitter.

1. The LED on the antenna will flash quickly during the countdown preceding the activation of the system.
2. The alarm will automatically rearm itself after 30sec if no door is left opened and the ignition is not turned ON.

Active Mode:

To arm the alarm, press the button on the transmitter.

1. The siren will chirp once.
2. The LED on the antenna will flash slowly.

To disarm the Alarm, press the button on the transmitter.

1. The siren will chirp twice.
2. The LED on the antenna will remain OFF.

Intrusion alert via remote

The remote will beep or vibrate for about 60 seconds when an intrusion from door, hood, trunk, shock or ignition is detected. At the same time, the LCD remote will display "ALARM" and "DOOR / HOOD / TRUNK / SHOCK / real time" (depending on the type of alarm) alternately. The icons of door, hood, trunk and shock, as well as the red backlight, will be flashing (when the BLITE is set ON).

Alarm Type	LCD Text	Icon	Sound or Vibration
DOOR	ALARM + DOOR		60 seconds
HOOD	ALARM + HOOD		60 seconds
TRUNK	ALARM + TRUNK		60 seconds
SHOCK	ALARM + SHOCK		60 seconds
IGNITION	ALARM + real time	NONE	NONE

The user can press the or button to stop the alarm (unless TWO-STAGE Mode has been programmed – one press then only mutes the siren; the user needs to press twice in order to disarm the system).

Remote Starter Features

Remote Door Locks

If your system was installed with the Remote Door Locks option, you will have the convenience of remote keyless entry.

To UNLOCK your doors and DISARM the system:

1. Press and hold the button for approx. 1 sec
2. The icon will appear on the remote's LCD screen
3. The siren will chirp twice to confirm that the doors have been unlocked, the Starter Kill feature is disarmed (if it was installed) and that the Alarm is disabled.

To LOCK your doors and ARM the system:

1. Press and hold the button for approx. 1 sec.
2. The icon will appear on the remote's LCD screen
3. The siren will chirp once to confirm that the doors have been locked, the Starter Kill feature is enabled (if it was installed) and that the Alarm is armed.

Remote Trunk Release

If your system was installed with the Remote Trunk Release option, you can open your trunk by pressing the button until the remote displays the text "TRUNK" on the screen. In addition, this will also disarm the alarm.

Idle Mode

Convenience feature: Idle Mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery. (remove this part for IG)

This feature allows you to let the remote starter take over control of the vehicle (i.e. no Key in the Ignition Switch) while the engine is running.

If your vehicle has an automatic transmission, proceed as follows to set the system to Idle Mode:

1. With the engine running, make sure to release the brake pedal and press the , or button on the transmitter until the parking lights come ON.
2. Remove the ignition key from the ignition switch.
   The engine will continue running.
3. Exit the vehicle and close all doors, hood and trunk.
4. Press the button to lock the doors, to arm the starter kill and to arm the alarm.

If your vehicle has a manual transmission, Idle Mode can be activated through the same routine as that used for Ready Mode (page-10); at the last step, the button is pressed instead of the other buttons. This will lock the doors, arm the system and leave the engine running.

Note 1: The engine will continue running until the user re-enters the vehicle or until the expiration of the engine run time.

Note 2: If the pre-programmed run-time expires or if the user shuts down the engine by remote control, the vehicle will enter Ready Mode.

Caution!! Do not leave children or pets unattended in a vehicle standing in Idle Mode.

Valet Modes

When the vehicle is in Combo Valet and Valet Start, the remote starter is disabled. If the vehicle needs to be serviced, or if you park it indoors, the Combo Valet and Valet Start will prevent the engine from being remote-started accidentally.

There are 3 types of Valet Modes: Combo Valet, Valet Start and Valet Alarm.

- Combo Valet: Both remote starter and alarm are disabled.
- Valet Start: Only the starter function is disabled.
- Valet Alarm: Only the alarm functions are disabled.

1) To put the system into Combo Valet

a) To put the system into Combo Valet mode using the KEY:

i) Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the IGNITION/RUN and OFF positions.

ii) The parking lights will flash three times.

iii) Turn the ignition OFF.

iv) The LED on the antenna will come ON solid to indicate that the vehicle has successfully entered Combo valet.

v) Press any command to refresh the screen; the AVS icon will appear on your LCD remote.

b) To put the system into Combo Valet mode using the TRANSMITTER:

i) Press the and buttons simultaneously until the AVS icon appears on your LCD remote.
ii) The LED on the antenna will come ON solid to indicate that the vehicle has successfully entered Combo valet.

c) To put the system into Combo Valet mode using the PUSH BUTTON SWITCH:
i) Insert the ignition key into the ignition switch.
ii) Turn the key into the ON position
iii) Within 5 seconds, press the push button switch until the parking lights flash 3 times.
iv) Release the push button and turn the ignition to the OFF position.
v) The LED on the antenna will come ON solid to indicate that the vehicle has successfully entered Combo valet.
vi) Press any command to refresh the screen; the AVS icon will appear on your LCD remote.

2) To take the system out of Combo Valet Mode

a) To take the system out of Combo Valet mode using the KEY:
i) Insert the ignition key into the ignition switch. Within 10 sec., turn the key 5 times successively into the IGNITION/RUN and OFF positions.
ii) The parking lights will flash twice.
iii) Turn the ignition OFF.
iv) The LED on the antenna will flash quickly to indicate that the vehicle is now out of Combo valet.
v) Press any command to refresh the screen; the AVS icon will disappear on your LCD remote.

b) To take the system out of Combo Valet mode using the TRANSMITTER:
i) Press the and buttons simultaneously until the AVS icon disappears from your LCD remote.
ii) The LED on the antenna will flash quickly to indicate that the vehicle is now out of Combo Valet.

c) To take the system out of Combo Valet mode using the push button switch:
i) Insert the ignition key into the ignition switch.
ii) Turn the key into the ON position.
iii) Press the push button switch until the Parking lights flash twice.
iv) Release the push button and turn the ignition to the OFF position.
v) The LED on the antenna will flash quickly to indicate that the vehicle is now out of Combo valet.
vi) Press any command to refresh the screen; the AVS icon will disappear on your LCD remote.

3) To enable or disable Combo valet, Valet Start or Valet Alarm via remote:

i) Through Advanced Options, first press F to select MENU (page-7).
ii) Choose VALET and press .
iii) Press or to toggle between three kinds of Valet Modes:
(1) CMVLT = Combo Valet *(Starter and Alarm is enabled or disabled)*
(2) VLTST = Valet Start *(Only the starter is enabled or disabled)*
(3) VLTAM = Valet alarm *(Only the alarm is enabled or disabled)*

iv) Once the selection is done, press .

v) Choose ON or OFF, then press and hold until;

(1) The icon appears or disappears to confirm Combo Valet *is enabled or disabled*.

(2) The icon appears or disappears to confirm Valet start *is enabled or disabled*.

(3) The icon appears or disappears to confirm Valet Alarm *is enabled or disabled.*

The system will warn you if someone attempts to remote start the vehicle while in Combo Valet and Valet Start. The parking lights will turn ON then OFF, then flash twice.

Panic Mode

In an emergency situation, you can activate panic mode by pressing and holding the OR button until the siren starts to sound. If the vehicle is under a remote start, the engine will shutdown automatically before setting off the Siren. You can stop the Siren by pressing OR

Furthermore, the panic mode can be stopped by activating Valet Mode (page- 13)

* Panic Mode will automatically shut down after 30 sec.

Quick LockoutTM

(Also called Secure Panic.) For fast protection in emergency situations, the system will LOCK all doors when you press the brake pedal while you hear the sound signal. (Quick Lockout is only available when panic mode has been set off.)

Cold Weather Mode

If the vehicle has a Manual transmission, Ready mode (page-10) should be set before entering Cold Weather. When cold weather mode is active, the engine starts every 2 hours and runs for 3 minutes (or for 8 or 20 minutes with diesel engines). Cold weather mode automatically ends after 24 hours. The vehicle must be set in ready mode (manual transmission) before the cold weather mode can be activated.

To enter Cold Weather Mode:

1. Through advance function remote's menu (page-6), select L-01.
2. Press and hold the button until the icon will appear on the display.

To exit Cold Weather Mode, do any one of the following actions:

- Open the hood.
- Start the engine by remote.
- Turn the ignition key to the IGNITION ON (RUN) position.
- Through advance function remote's menu (page-6), select L-01.

  Press and hold the button until the icon will disappear on the display.

To verify whether the system is in cold weather mode:

The icon should appear on your remote display.

OR

Press the brake pedal:

If the vehicle is in cold weather mode, the parking lights will remain ON while the brake pedal is pressed. (Automatic transmission ONLY)

Extended Run Time

While the vehicle is running under a remote start, press and hold the button for more than 3 seconds until the remote beeps 3 times. This will reset the run time counter to zero and restart the run time cycle from the beginning. The extended run time procedure can only be carried out once per remote start.

To stop the vehicle, at any moment, simply press the button.

Example: If your remote car starter is programmed for a run time of 3 minutes and your vehicle has been running for 2 minutes already, pressing the button will reset the counter to zero and allow the engine to run for another cycle (in this case, 3 minutes).

Intrusion Codes via LED light

The system monitors the following:

- Any vibrations sensed by the shock sensor such as someone breaking of the window, windshield, etc.
- Doors
- Ignition
- Trunk
- Hood

Note: If an intrusion has occurred the siren will sound for a maximum of 1minute.

When an intrusion has occurred, pressing will make the siren chirps four times. The antenna's LED will provide an intrusion code corresponding to the type of the intrusion that occurred. The LED intrusion codes are flashed in continuous loops.

2 x = Doors intrusion	5x = Panic
3 x = Shock Sense	6x = Ignition
4x = Hood	7x = Trunk

Car Finder™

When enabled, the Car Finder™ option will help you locate your vehicle by sounding a siren or the horn. To initiate,

1. Through advance function remote's menu (page-6), select L-01.
2. Press to sound the siren once without affecting the door.

Temperature Request (If ACC-Temp-101 installed)

The user can request the temperature in the vehicle if a Temperature Sensor Module (ACC-Temp-101) is installed:

- Through advance function remote's menu (page-6), select L-01.
- Immediately press the button and hold it until the temperature is displayed on the LCD screen.

Temporary Chirp Delete

To temporarily disable the chirp confirmations of the siren upon arming and disarming (e.g. in a quiet neighbourhood):

- Press the button. The remote will beep once.
- Immediately, press the or button to arm or disarm system without any chirp.

Relock

If you unlock the doors with the remote transmitter, but do not open any door, hood, trunk or turn ignition ON within 30 seconds, the system will automatically relock and arm.

> Note: When the system is in active arming mode and the relock mode is enabled, the doors will relock but the system will not rearm.

Remote finder

This function will help you locate your remote. The unit will send a signal to the remote to trigger the remote to beep informing you of its location. Follow this procedure to activate remote finder.

1. Locate the push button switch in the car. (refer to your installer for its location)
2. Press and hold the push button switch until the parking lights flash 5 times.

Press the or button to stop the beeping of the remote once it is found.

Missing a Start or a Stop Confirmation

If you have not received a Start or the Stop confirmation after pressing the button, pressing the button will refresh the display and will confirm if the vehicle was started or stopped.

If no Start Confirmation Was Received:

- Press the button:
  - The remote's icon will start flashing
  - The icon and runtime time countdown will be displayed.

If no Stop Confirmation Was Received:

- Press the button:
  - The will be displayed
  - The remote's icon and the runtime countdown will disappear.

Advanced Features: Installation-programmable Options

The remote starter was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

> Caution: The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your remote starter.

Ignition-Controlled Door Locks

This is an added security feature. If your Remote Car Starter was installed with the Ignition-Controlled Door Locks option, the doors will automatically lock as soon as the ignition key is turned to the IGNITION ON (RUN) position while the brakes are pressed. The remote car starter will also lock any door that was unlocked and opened (then closed) the next time the brake pedal is pressed. When the key is turned to the OFF position, the doors will automatically be unlocked.

Secure Lock

(Disabled by default.) Before your vehicle can be remote-started, the factory security system must first be disarmed. The Secure Lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed.

To keep your vehicle protected when the factory security system is disarmed for a remote start, Secure Lock will relock your doors as soon as the vehicle is started. Once the engine is shut down by remote or after its runtime has expired, Secure Lock will also rearm your factory security system and relock the doors.

"Home Valet™" Mode

If configured at installation, this feature will remotely set the vehicle to a no-remote-start mode: if the vehicle is parked indoors there is no danger of it starting accidentally by remote control. If the vehicle has a manual transmission, it should be set into ready mode before activating the Home Valet™.

> Note: Once the Home Valet Mode is activated, the vehicle will not start by remote, but the alarm functions will remain active.

To take the system into home valet mode:

1. Press the or button.
2. Within 3 seconds, press the and buttons simultaneously.
3. The transmitter will beep once and the Vs icon will display.

To take the system out of home valet mode:

- Turn the ignition key to the IGNITION ON (RUN) position.

The system will warn you if someone attempts to start your vehicle while it stands in home valet mode. The parking lights will:

Turn ON then OFF; then
Flash twice, pause; then
Flash twice again.

Safe Start Mode

This feature will eliminate accidental remote starts, e.g. when children are playing with the transmitter.

Safe start enabled: If this feature is enabled, the user must press the button twice within 3 seconds to remote-start the vehicle.

Swap start: If this feature is enabled;

1. Through advance function remote's menu (page-6), select L-01.
2. Press to remote start the vehicle.

   The Aux 2 output can be activated by pressing the button.

Engine Run Time

If you have a gas engine, your remote starter can be programmed to run the engine for 3, 15, or 25 minutes (15 minutes by default). If you have a diesel engine, the remote starter can be programmed to run the engine for 8, 20, or 30 minutes (20 minutes default).

Turbo Mode

If Turbo Mode is configured at installation, it will allow a turbocharger to idle down after the user leaves the vehicle: the unit will take over the vehicle and keep it running for 60 seconds (or until it is shut down by remote control), then shut down the engine.

If your vehicle has an automatic transmission, proceed as follows to set the system to Turbo Mode:

1. With the engine running, make sure to release the brake pedal and press the , or button on the transmitter until the parking lights come ON.

2. Remove the ignition key from the ignition switch.
   The engine will continue running.
3. Exit the vehicle and close all doors, hood and trunk.
4. Press the button; this will lock the doors, arm the system alarm and confirm that the vehicle is in Turbo Mode.
5. The engine will shut down after 60 seconds.

If your vehicle has a manual transmission, follow all steps of the Ready Mode routine (page-10) to activate Turbo Mode. At the last step,

- Press to lock the doors and have the engine shut down after 60 seconds;
  The parking lights will flash 3 times and remain lit.
  The alarm and starter kill will be armed.
- Press to unlock the doors and have the engine shut down after 60 seconds;
  The parking lights will flash 3 times and remain lit.
- Press To shut down the engine without affecting the doors.

Note: The vehicle will enter Ready Mode once the engine run time expires.

Siren Chirps

The siren will chirp to confirm the system's basic operations:

- By default, when the doors are being locked, the siren will give 1 chirp if all the doors, the hood and the trunk are closed.
- If one of the doors, the hood or the trunk is open as the doors are being locked, the siren will chirp 3 times.
- When the doors are being unlocked, the siren will give 2 chirps if no intrusion was detected.
- If an intrusion was detected, the siren will 4 times if is pressed.

The system can alternatively be set to: (must be configured by the installer)

- Warning Mode (no chirp during lock/unlock – unless one of the doors, the hood or the trunk is open. In this case there will be 3 chirp when is pressed. – Or unless the alarm was triggered, in which case there will be 4 chirps when is pressed.
- Open Zone Notification (the system will warn for doors opened up to 10 seconds after arming).
- No Chirp (the vehicle will not chirp under any circumstance).

Arming

Arming of the system can be program by your installer into 4 different options. By default, your system is programmed to "passive arming – 2 stage disarm":

- Active arming: The system will only arm if button is pressed.
- Passive arming (2 stage disarm): The system will automatically arm itself 30 seconds after all doors, hood and trunk are closed.
  Note: If an alarm is triggered, pressing the button will stop the siren while keeping the doors locked and the system armed.
- Passive arming (1 stage disarm): The system will automatically arm itself 30 seconds after all doors, hood and trunk are closed
  Note: If an alarm is triggered, pressing the button will stop the siren and unlock the doors.

- Active arming with disarm notification: This feature will notify the user when the vehicle is left disarmed after Ignition is turned off, or when the Module is disarmed after being previously armed, the opening or closing of a Door will cause the Horn or the Siren to sound once after 10 sec. to warn the user that the vehicle was left unprotected. Pressing or will cancel this timer.

Shock Sense & Warn Away sense

If somebody hits, jostles or otherwise moves your car, the shock sensor sends a signal to the brain indicating the intensity of the motion. Depending on the severity of the shock, the system can react to a full shock by triggering the alarm or it can also respond to a lighter shock (30 % of the strength of a full shock) by giving a warn-away (without triggering an Alarm condition). However, when the Engine is running after a remote start, the full shock is disabled but will still give a warning sound if warn-away is enabled.

Note: Refer to your installer if you wish to disable the shock sensor permanently.

Siren/Horn Chirp Timing

The pulse duration can be configured by your installer (from 5 ms. to 200 ms.).

Priority door:

If configured by your installer, this great feature allows you to unlock solely the driver's door with a single press of the button on the transmitter, and to unlock the other doors, if desired, by pressing the button for a second time.

Bypass

Remote starters of this series have the ability to work in two-way mode (D2D) with Xpresskit and ADS bypass modules. They also offer one-way communication with Fortin brand bypass modules.

Note: For Hardware 5.0 and higher, there can only be one bypass connected to the unit.

Multi-car Operation

This option allows the owner of two vehicles, both equipped with the same remote starter model, to control both systems independently with a single remote control. To control the second vehicle:

Press + simultaneously: ..... LOCK
Press + simultaneously: ..... UNLOCK
Press + simultaneously: ..... START
Press + simultaneously: ..... STOP
Press F ➢ F ➢ F ➢ : ..... TRUNK

or

Press F ➢ F ➢ F ➢ : ..... LOCK
Press F ➢ F ➢ F ➢ : ..... UNLOCK
Press F ➢ F ➢ F ➢ : ..... START
Press F ➢ F ➢ F ➢ : ..... STOP
Press F ➢ F ➢ F ➢ : ..... TRUNK

Note: Your remote control must be configured for second car operation by the installer.

Multi-Level Features (default state)

The multi-level features allow you to access different features of your vehicle or of a second car by pressing the [F] button once, twice or three times. For convenience purpose, the order of LEVELS and MENU can be re-arranged through FBPRO setting (page-7).

Features:

- MENU: see page-7 for complete lists of MENU available.
- Basic features: AUX-2, Cold Weather mode, Swap Start, Temperature request.
- Multicar Operation: Allows the owner to control both vehicle equipped with the same remote starter model.

To control the Multi level features, refer to the tables below:

FBPRO setting 1 *default		
FBPRO setting	Features	Levels
M	MENU	MENU
1	Basic features	L01
2	Multi car operation	L02
3	N/A	L03

FBPRO setting 2		
FBPRO setting	Features	Levels
1	Basic features	L01
2	Multicar operation	L02
3	N/A	L03
M	MENU	MENU

FBPRO setting 3		
FBPRO setting	Features	Levels
2	Multi car operation	L01
3	N/A	L02
1	Basic features	L03
M	MENU	MENU

FBPRO setting 4		
FBPRO setting	Features	Levels
3	N/A	L01
1	Basic features	L02
2	Multicar operation	L03
M	MENU	MENU

FBPRO setting 5		
FBPRO setting	Features	Levels
2	Multi car operation	L01
1	Basic features	L02
3	N/A	L03
M	MENU	MENU

Example: If the multi-level features are set to FBPRO setting 3, the basic features can be accessed as follow:

- To activate AUX-2 feature, the user needs to browse the remote's advanced functions (page-6) and select L03. After selecting L03, immediately press lock to activate the AUX-2 feature.

Troubleshooting Transmitting Range

Many factors may affect the operating range of the transmitter. Some of these are:

- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers…)
- Metal: any type of metal will affect operating range. This includes the vehicle itself.
- The shape of the vehicle can affect range as well (vans in general have less range).
- The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on (standing in front of the vehicle) generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.
- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height.

The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm

Diagnostics – Parking Light Flash Table

Parking lights flashes	Description
1	• Doors locked. • Trunk released. • Start signal received from the remote. • Runtime has expired
2 fast	• Doors unlocked • Valet mode is deactivated
2 slow	• Shutdown by remote
4 fast	• Shutdown by brake • A remote start was attempted while the brake pedal is engaged.
3 slow	• Runtime is extended.
1 slow → 2 fast	• Valet mode activated.
10 fast	• Shutdown by hood. • A remote start was attempted while the hood is open.
ON → twice	• Cold weather mode deactivated.
ON → 3 times	• Cold weather mode activated.
Solid ON	• Engine is running under remote start.
Flash for 30 sec.	• Panic mode is triggered.
Flash for 60 sec.	• Alarm is triggered.
ON → twice → twice	• A remote start was attempted while the system is in home valet.